

MULTIMEDIA PRO 16ABO

EASY START **READ ME FIRST**

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Version 1.0

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This booklet will guide you through the installation of your sound card.

Computers come in different shapes and sizes. Therefore, the installation instructions in this booklet apply generally and you should compare the drawings here with your computer before you begin.

You will require a Philips Screwdriver to complete the installation. You may want to refer to your computer user's guide during the installation.

Safety Precautions

The sound card is delicate, and should always be handled with care. Before you begin the installation, read and follow these precautions:

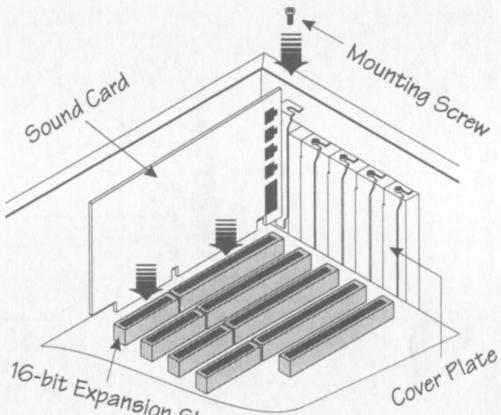
- Do not remove your sound card from the anti-static bag until you are ready to install it.
- Always hold your sound card by its edges. Avoid touching any of the electronic components on the sound card.
- Static electricity can cause permanent damage to your sound card. To prevent such a damage, you must ground yourself while installing the sound card. You can do this in either of two ways,
 1. Use a grounding strap, which is a coiled wire with a clip at one end and an elastic strap at the other. Wear the strap around your wrist and attach the clip to any non-painted metal surface of the computer's chassis.
 2. If you do not have a grounding strap, touch any non-painted surface of the computer's chassis before you begin installation, and again every minute or so until the installation is completed.
- Retain the anti-static bag that holds your sound card for future use.

Installing the Sound Card

1. Turn off your computer.
2. Remove the cover of your computer's chassis and set it aside somewhere out of your way.

The procedure for removing a computer's chassis cover varies from one computer to another. Please refer to your computer's user guide for specific instructions.

3. Select any available 16-bit expansion slot (see diagram on the right).
4. Remove the selected expansion slot's cover plate. Retain the mounting screw to secure the sound card later.
5. Using a gentle back-and-forth rocking motion, press the sound card firmly into the selected expansion slot until it snaps in place.
6. Secure the sound card by replacing the mounting screw.
7. Replace the computer's chassis cover and fasten it by replacing the mounting screws.

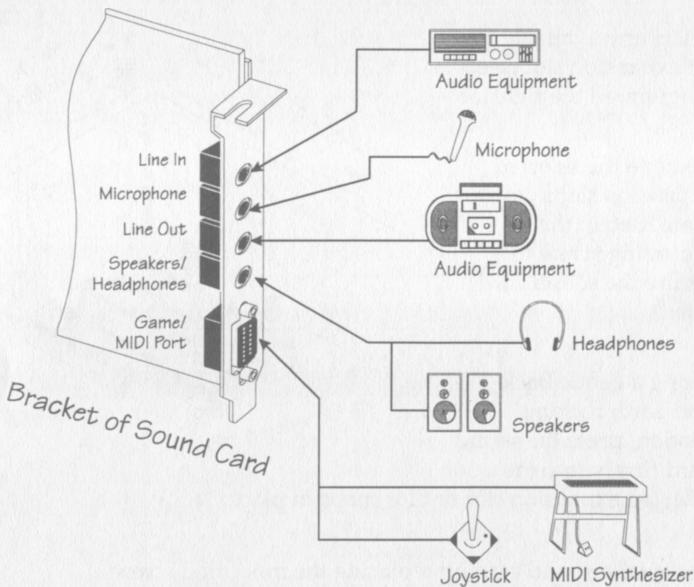


You have just finished installing your sound card into the computer. Next, proceed to connect the audio equipment to your sound card.

Connecting Audio Equipment

Your sound card allows you to connect an array of audio equipment. Use the illustration below as a general guide for connecting any audio equipment to the sound card.

Be sure to connect the speakers or headphones provided with your sound card package. All the other audio equipment shown in the illustration are optional items.



Installing the Sound Card's Software

Two setup programs have been provided to install your sound card's software on the hard disk. One for a Windows-based system (**SETUP.EXE**), and the other for a DOS-based system (**INSTALL.EXE**). You need *only run one* of the setup programs. For a trouble-free installation, use the one that matches your system.

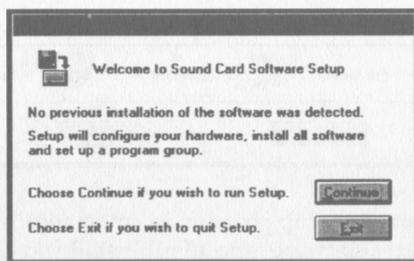
If your PC is using Windows 3.1x

1. Turn on your computer.
2. Insert Disk 1 into the floppy drive A or drive B.
3. If you have inserted the disk in drive A, type **A:** and press **[Enter]**.

If you have inserted the disk in drive B, type **B:** and press **[Enter]**.

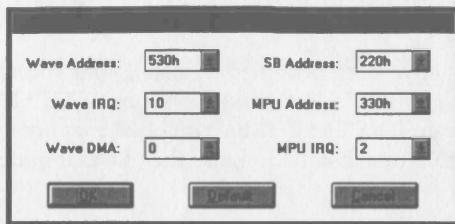
4. Type **SETUP** and press **[Enter]** to start the setup program.

The setup program then displays a welcome screen.



5. Click **Continue** to proceed with the installation.

The setup dialog box appears.

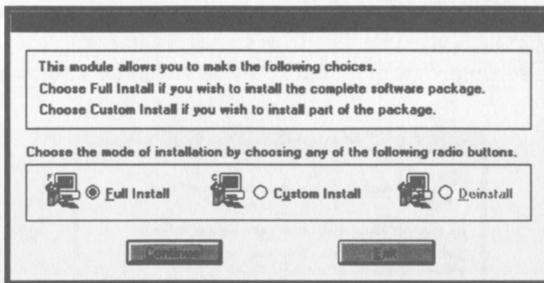


6. If you want to accept the default sound card settings, click **OK**.

If you want to return to the original default settings (after making changes), click **Default**.

If you want to cancel whatever changes you made to the settings and proceed with the installation, click **Cancel**.

The installation dialog box appears.



7. If you want the setup program to automatically install all of the sound card's software, select **Full Install** and click **Continue**.

If you want to choose which application(s) to install, select **Custom Install** and click **Continue**. You can install other application(s) later by running the setup program again.

The directory selection screen appears.

8. If you want to store the sound card's software in the default path as suggested, click **Continue**.

If you want to store the sound card's software on another drive or in another directory, type in the new path and click **Continue**.

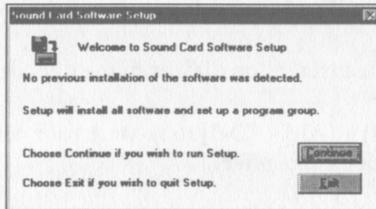
- Follow the instructions on the screen.
- 9. When the software has been copied on the hard disk, you will be prompted to restart or return to Windows.
- 10. Click **Exit to Windows** and quit from Windows.
- 11. Remove the installation disk from the disk drive.
- 12. Press **[Ctrl] + [Alt] + [Del]** to re-start your computer to let the new configurations take effect.

If your PC is using Windows 95

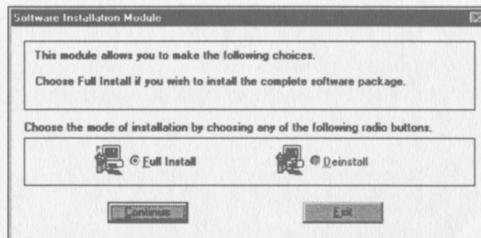
1. Turn on your computer to startup Windows 95 program.
2. Insert **Disk 1** into the floppy drive.
3. Click the **Start** button at the task bar and select the **Run** option.

The **Run** dialog box will appear. Select the drive and filename where the disk is located by using the **Browse** button.

4. The setup program then displays a welcome screen.



5. Click **Continue** to proceed with the installation.



6. If you want the setup program to automatically install all of the sound card's software, select **Full Install** and click **Continue**.

The directory selection screen appears.

7. If you want to store the sound card's software in the default path as suggested, click **Continue**.

If you want to store the sound card's software on another drive or in another directory, type in the new path and click **Continue**.

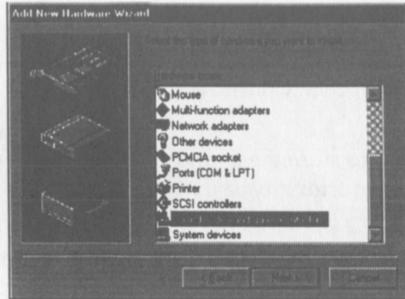
8. After the software has been copied on the hard disk, click **OK** to allow changes to be made to your autoexec.bat file.
9. You will be prompted to restart or exit to Windows.
10. Click **Exit to Windows** button.

Windows 95 Driver Installation:

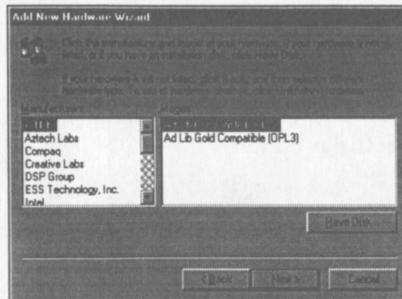
11. Click the **Start** button at the task bar and select the **Control Panel** from the **Settings** option.



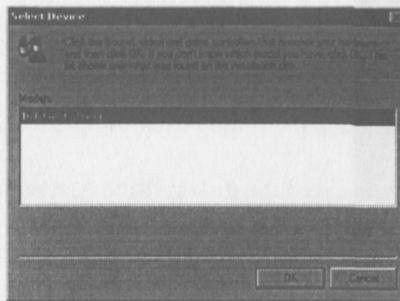
12. Double-click on the **Add New Hardware Wizard** icon to activate the **Add New Hardware Wizard**.
13. Click on the **Next** button and select **No** from the **Add New Hardware Wizard** screen. Click the **Next** button again to go to the next screen.



14. Select the option "**Sound, video and game controllers**" from the dialog box.



15. Click the **Have Disk** button and set the path to \WIN95 to install the driver. For instance, if you have inserted a disk into drive A type A:\WIN95. The **Select Device** dialog box will appear.



16. Select **OK** and click **Continue** to proceed.



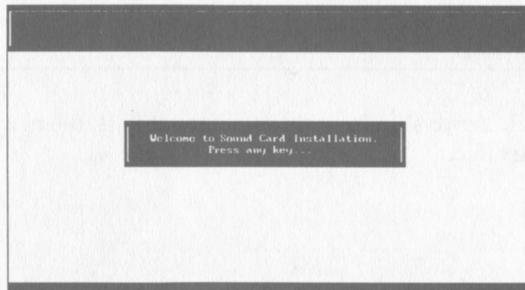
Choose "No" to overwrite the existing drivers if they are found in the system.

17. Click **Yes** to shutdown your computer to let the new configuration take effect.

If your PC is using DOS only

1. Turn on your computer.
2. Insert **Disk 1** into the floppy drive A or drive B.
3. If you have inserted the disk in drive A, type **A:** and press [**Enter**].
If you have inserted the disk in drive B, type **B:** and press [**Enter**].
4. Type **INSTALL** and press [**Enter**] to start the setup program.

The setup program then displays a welcome screen.



5. Press any key on the keyboard to proceed with the installation.

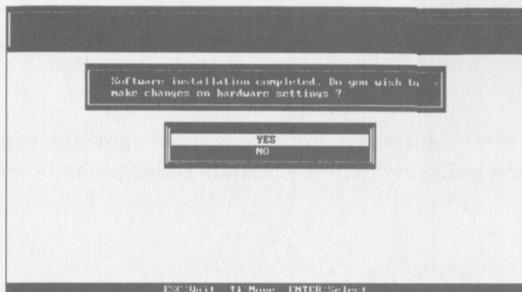
The directory selection screen appears.

6. If you want to store the sound card's software in the default path as suggested, press [**Enter**].

If you want to store the sound card's software on another drive or in another directory, type in the new path and press [**Enter**].

Follow the instructions on the screen.

7. When the software has been copied on the hard disk, you will be prompted to make changes to sound card's settings:



If you want to change your sound card's hardware settings or install CD-ROM driver, select **Yes** and press **[Enter]**.

This runs the sound card's configuration program. For information on using the configuration program, refer to the user's manual packaged with your sound card.

If you are a first-time user and do not have a CD-ROM drive, select **No** and press **[Enter]** to accept the sound card's default settings.

This returns you to the DOS prompt.

8. Remove the installation disk from the disk drive.
9. Press **[Ctrl] + [Alt] + [Del]** to re-start your computer to let the new configurations take effect.

This concludes the installation of your sound card package. You should now check your sound card using the test procedures in the next section.

Testing the Sound Card

There is a diagnostics program which you can use to test the sound card. Before you begin, ensure that the headphones or speakers have been connected to your sound card.

If you encounter any problems when running the diagnostics program, refer to the troubleshooting guide in the user's manual packaged with your sound card for solutions.

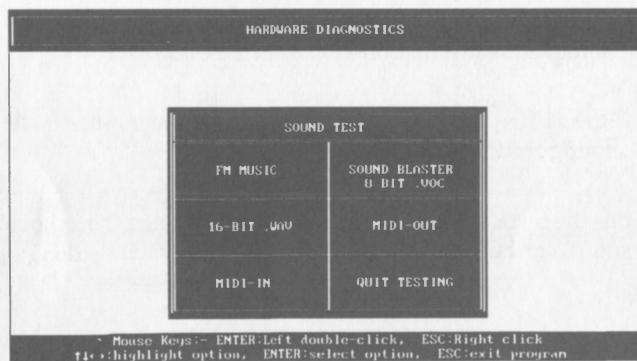
To run the diagnostics program,

1. Navigate to the **{PATH}\UTILITY** directory. **{PATH}** here refers to the location where you have installed the sound card's software.
2. Type **DIAGNOSE** and press **[Enter]** to start the diagnostics program.

This displays a welcome screen.

3. Press **[Enter]** to proceed with the verification.

This displays the main menu.



4. Follow the instructions on the screen to run each of the testing option in the main menu. Each of the testing option (except **MIDI In**) should produce an audio output.

There are six options within the diagnostics program's main menu and these are described below:

Options	Description
FM MUSIC	Performs a hardware test on the sound card's FM Music Synthesis module.
SOUND BLASTER 8-BIT .VOC	Performs a hardware test on the sound card's Sound Blaster compatibility module.
16-BIT .WAV	Performs a hardware test on the sound card's Microsoft Windows Sound System compatibility module.
MIDI OUT	Performs a hardware test on the sound card's MIDI (output) module.
MIDI IN	Performs a hardware test on the sound card's MIDI (input) module.
QUIT TESTING	Exits the diagnostics program.

Note that the **MIDI In** and **MIDI Out** options can only be used if you have a MIDI keyboard attached to the sound card.

If you do not encounter any problems during the verification, this means your sound card is working fine.



Be sure to read the **README.TXT** file for any last minute information not included in the sound card's documentation.
